

GARRET KERN

7114 Woodland Avenue, Takoma Park, MD 20912
garretkern@gmail.com, 301-412-8530
garretkern.github.io

EDUCATION

Brown University, Class of 2021
Major: Computer Science, GPA: 3.78

EXPERIENCE

- Activision, Information Security Intern Santa Monica, Summer 2019
- Developed company-wide minimum security baseline program
 - Performed third-party threat assessments
 - Assisted in incident response and vulnerability management
- TextUp, Frontend Engineer Intern Providence, Spring 2019
- Published an iOS app and Android app using Apache Cordova
 - Developed fingerprint authentication, in-app browsing, and contact onboarding features in Ember.js
 - Prototyped new features using wireframes in Figma
- National Institutes of Health, Data Science Intern D.C., Summer 2016, 2018
- Analyzed global spatial patterns of influenza using bayesian likelihood phylogenies
 - Developed a subsampling tool in Python for large scale genomic datasets
 - Visualized Norovirus and Swine Flu outbreaks in R

SKILLS

- Programming Languages
- Java, Python, SQL, Javascript, Node, C, R
- Applications
- Git, *nix CLI, Nexpose Scanner, IBM BigFix

COURSES

- | | | |
|-------------------|--------------------------|---------------------------------|
| Web Security | Computer Systems | Software Engineering |
| Intro to Robotics | Design of Algorithms | Design of Programming Languages |
| Logic for Systems | Policy and Cybersecurity | Humanity Centered Robotics |
| Discrete Math | Linear Algebra | Computational Statistics |

ACTIVITIES

- Teachers Assistant, Intro to Systems Summer, Fall 2019
- Tutored students 2 hours a week in c and assembly programming
 - Developed new course work on buffer overflow attacks
- Brown Outdoor Leadership Training Mentor Summer 2019
- Lead college sophomores on a 5 day backpacking trip to the White Mountains
 - 180 hours of training on inclusive leadership and outdoor tech skills
- Wilderness First Responder Certified (WFR) Spring 2019
- 60 hours of training in wilderness first aid and rescue